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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/681,525	04/23/2001	Wen-Tsao Lee		4636

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EXAMINER

HA, NGUYEN T

ART UNIT

PAPER NUMBER

2831

DATE MAILED: 03/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/681,525

Applicant(s)

LEE, WEN-TSAO

Examiner

Nguyen T Ha

Art Unit

2831

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 April 2001.
- 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1-18 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1. Claims 1-18 are objected to because of the following informalities:

Claim 1, line 3, "a" should be - - an - -.

Claim 1, line 4, "perforating through-hole nearby the both ends" does not make sense and is grammatically incorrect.

Claim 1, line 3, "the first glass tube" lack antecedent basis.

Claim 1, line 5, "the outer surface" should be - - an outer surface - -.

Claim 1, line 6, "the inner surface" should be - - an inner surface - -.

Claim 1, line 11, "the second glass tube" lacks antecedent basis.

Claim 1, line 14, "the discharge chamber" lacks antecedent basis.

Claim 2, line 3, "the first glass tube" lack antecedent basis.

Claim 2, line 4 and line 6, "perforating through-hole nearby the both ends" does not make sense and is grammatically incorrect.

Claim 2, line 6, "the second glass tube" lacks antecedent basis.

Claim 2, line 13, "the inner surface" should be - - an inner surface - -.

Claim 2, line 14, "the third glass tube" lacks antecedent basis.

Claim 2, line 22, "the discharge chamber" lacks antecedent basis.

Claim 8, line 4, "the first glass tube" lack antecedent basis.

Claim 8, line 5, "the second glass tube" lacks antecedent basis.

Claim 8, line 7, "perforating through-hole nearby the both ends" does not make sense and is grammatically incorrect.

Claim 8, line 8, "the outer surface" should be - - an outer surface - -.

Claim 8, line 9, "the inner surface" should be - - an inner surface - -.

Claim 8, line 12, "the two first glass tubes" lacks antecedent basis.

Claim 8, line 12, "the two chambers" lacks antecedent basis.

Claim 8, line 16, "the third glass tube" lacks antecedent basis.

Claim 8, line 19, "the discharge chamber" lacks antecedent basis.

Appropriate correction is required.

Allowable Subject Matter

2. Claims 1-18 would be allowable if rewritten to overcome the objections outlined above.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1,3/1 and 4, the prior art alone or in combination does not teach the limitations of a method of manufacturing a multi-tube fluorescent discharge lamp comprising: forming a isolator nearby the middle of the first glass tube, perforating through-hole nearby the both ends of the first glass tube, installing two cathode portions, each includes a pair of electrodes, a pipe, a stem and a hole, at respective the both ends of the first glass tube, and fusing the two ends of the first glass tube with the cathode portions.

With respect to claims 2,3/2 and 5-7, the prior art alone or in combination does not teach the limitations of a method of manufacturing a multi-tube fluorescent discharge lamp comprising: forming a isolator nearby the middle of the first glass tube, perforating through-hole nearby the both ends of the first glass tube, perforating

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through-hole nearby the both ends of the second glass tube, installing two cathode portions, each includes a pair of electrodes, a pipe, a stem and a hole, at respective the both ends of the first glass tube, and fusing the two ends of the first glass tube with the cathode portions.

With respect to claims 8-18, the prior art alone or in combination does not teach the limitations of a multi-tube fluorescent discharge lamp comprising: installing two cathode portions, each includes a pair of electrodes, a pipe, a stem and a hole, at respective the both ends of the first glass tube, forming a isolator nearby the middle of the first glass tube, perforating through-hole nearby the both ends of the first glass tube, and installing the two first glass tubes into respective the two chambers of the second tube coaxial.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation Relevant of Prior Art

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Hamada et al disclose ceramic cathode fluorescent discharge lamp.
- b. Fujii et al disclose method for manufacturing a discharge tube body for high pressure.

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- c. Bernicke et al disclose a device and process for the production of multiple-fold.
- d. Heider et al disclose a method of making a double-ended high-pressure discharge lamp.
- e. Dayton discloses an electric lamp having a pressure-molded base.
- f. Moriyama et al disclose fluorescent light fixture.
- g. Johnson et al disclose fluorescent lamp containing amalgam-forming material for reducing stabilization time.
- h. Mason et al disclose an electric discharge lamp.

Conclusion

This application is in condition for allowance except for the following formal matters:

Claims 1-18 would be allowable if rewritten to overcome the objections outlined above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T Ha whose telephone number is 703-308-6023. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 703-308-3682. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3432 for regular communications and 703-305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

NH
March 24, 2003

 3/24/03
DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800